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CHENG, Jing [CN/CN]; Tsinghua University, HaiDian District, Beijing 100084 (CN).

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(74) Agents: **JEEKAI & PARTNERS** et al.; Suite 602, Jinyu Tower, A129 West Xuan Wu Men Street, XiCheng District, Beijing 100031 (CN).

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(71) Applicants (*for all designated States except US*): **TSINGHUA UNIVERSITY** [CN/CN]; Tsinghua University, HaiDian District, Beijing 100084 (CN). **CAPITAL BIOCHIP COMPANY LTD.** [CN/CN]; Jia N02, Qinghua West Road, HaiDian District, Beijing 100084 (CN).

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(72) Inventors; and

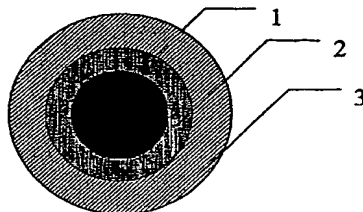
(75) Inventors/Applicants (*for US only*): **LU, Huachang** [CN/CN]; Tsinghua University, HaiDian District, Beijing 100084 (CN). **YI, Guangshun** [CN/CN]; Tsinghua University, HaiDian District, Beijing 100084 (CN). **CHEN, Depu** [CN/CN]; Tsinghua University, HaiDian District, Beijing 100084 (CN). **GUO, Lianghong** [CN/CN]; Tsinghua University, HaiDian District, Beijing 100084 (CN).

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(54) Title: **FLUORESCENT MAGNETIC NANOPARTICLES AND PROCESS OF PREPARATION**



(57) Abstract: This invention provides nanometer-sized fluorescent magnetic particles and processes of making them. The nanoparticle has a core particle comprising a magnetic material and a fluorescent material, and the particle size is less than about 1 micrometer. The nanoparticles can be coated with an inorganic or organic layer and can be surface-modified. The nanoparticles can be used in many biological assays.

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